

form; NAD⁺), phenazine methosulphate (PMS) and nitroblue tetrazolium chloride (NBT); and

(ii) a nucleic acid consisting of a DNA sequence selected from the group consisting of the following partial sequences of the alanine dehydrogenase gene of *M. tuberculosis*:

| Name | Sequence | SEQ ID NO: | Orientation |
|-----------|---------------------------------|------------|-------------|
| AlaDH-F1 | 5'-ATGCGCGTCGGTATTCCG-3' | 11 | forward |
| AlaDH-F1+ | 5'-GCGCGTCGGTATTCCGACCG-3' | 12 | forward |
| AlaDH-F2 | 5'-GAGACCAAAAACAACGAA-3' | 13 | forward |
| AlaDH-F4 | 5'-GAATTCCCATCAGCAATCTTGCAGA-3' | 14 | forward |
| AlaDH-F5 | 5'-GCCCCGATGAGCGAAGTC-3' | 15 | forward |
| AlaDH-F6 | 5'-GGGGCCGTCCTGGTGCC-3' | 16 | forward |
| AlaDH-F7 | 5'-GACGTCGACCTACGCGCTGAC-3' | 17 | forward |
| AlaDH-R1 | 5'-CTCGGTGAACGGCACCCC-3' | 18 | reverse |
| AlaDH-R2 | 5'-GGCCAGCACGCTGGCGGG-3' | 19 | reverse |
| AlaDH-R3 | 5'-CACCCGTTCGGACAGTAA-3' | 20 | reverse |
| AlaDH-R4 | 5'-CGCGGCCGACATCATCGC-3' | 21 | reverse |
| AlaDH-R5 | 5'-GGCCGACATCATCGCTTCCC-3' | 22 | reverse |
| AlaDH-R6 | 5'-CGAGACTAATTTGGGTGCCTTGGC-3' | 23 | reverse |
| AlaDH-R7 | 5'-ATTTGGGTGCCTTGGC-3' | 24 | reverse |
| AlaDH-RM | 5'-GGCGGCGAGTCGACCGGC-3' | 25 | reverse |

and sequences that are hybridizable therewith under the following conditions: annealing 2 minutes at 69°C and extension 3 minutes at 72°C at a 1.5mM concentration of MgCl₂, for the diagnosis of tuberculosis and other mycobacterial infections in humans or animals.

IN THE SPECIFICATION:

Please amend the specification as follows:

At page 4 please replace the table located between lines 4 through 19 inclusive, with the following replacement text:

| --Name | Sequence | SEQ ID NO: |
|-------------|----------|------------|
| Orientation | | |